

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (~~Currently amended~~) ~~Centrifugal~~ A centrifugal pump for pumping ~~of~~ liquids containing pollutions mainly in the form of solid particles, ~~which pump comprisessaid pump~~ comprising:

\_\_\_\_\_ a drive unit, and

\_\_\_\_\_ a hydraulic unit, ~~whereby wherein~~ the hydraulic unit comprises a pump housing (20) and a pump ~~installer~~ impeller (12) rotationally arranged inside the housing,

\_\_\_\_\_ the pump impeller comprising an upper (14) and a lower (16) cover disc and a number of intermediate vanes (18),

\_\_\_\_\_ the pump housing comprising a bottom wall (22) facing the lower cover disc and having a central inlet opening (24), wherein a circular gap (30) separates a space 29

arranged between the lower disc (16) and the bottom wall (22) from said central inlet opening (24), characterized in that a

\_\_\_\_\_ wherein the bottom wall (22) of the pump housing, ~~having a central inlet opening (24),~~ is arranged with at least one spirally swept, back flow affecting means (32, 34) ~~in on~~ the side facing the lower cover disc (16) extending parts of or full turns around the inlet opening, and

the portion of said back flow affecting means (32, 34) being located adjacent the circular gap (30) is arranged below said circular gap (30).

2. (Currently amended) ~~Centrifugal~~ The centrifugal pump according to claim 1, ~~characterized in that~~ wherein the back flow affecting means is arranged as grooves (32) in the bottom wall.

3. (Currently amended) ~~Centrifugal~~ The centrifugal pump according to claim 1, ~~characterized in that~~ wherein the back flow affecting means is arranged as ridges (34) in the bottom wall.

4. (Currently amended) ~~Centrifugal~~ The centrifugal pump according to any one of the preceding claims, ~~characterized in that~~ wherein a wall part of the back flow affecting means facing towards the inlet forms an angle  $\beta$  with the plane of the bottom wall which is in the range 85 to 95 degrees.